

FIG. 1

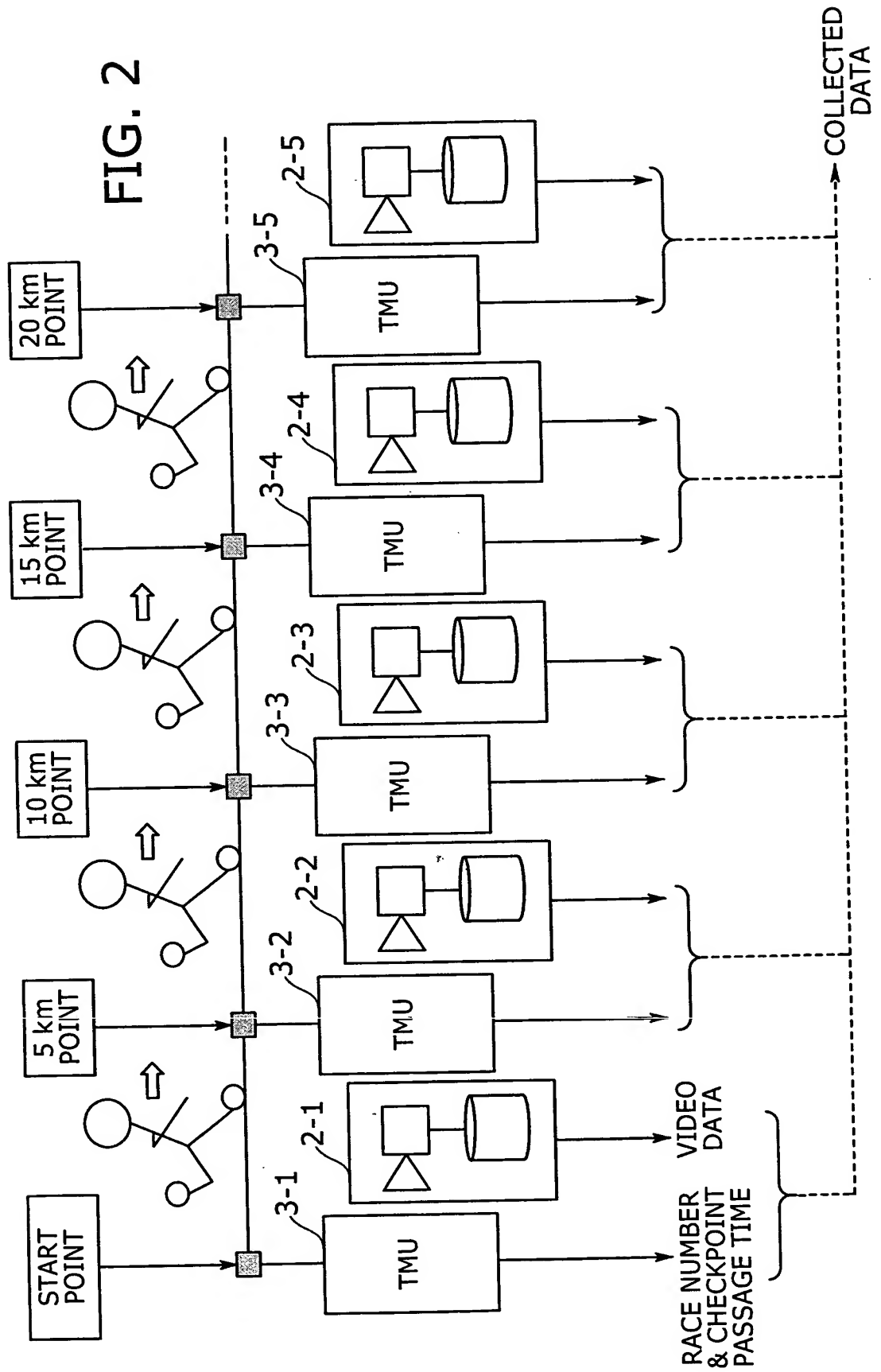
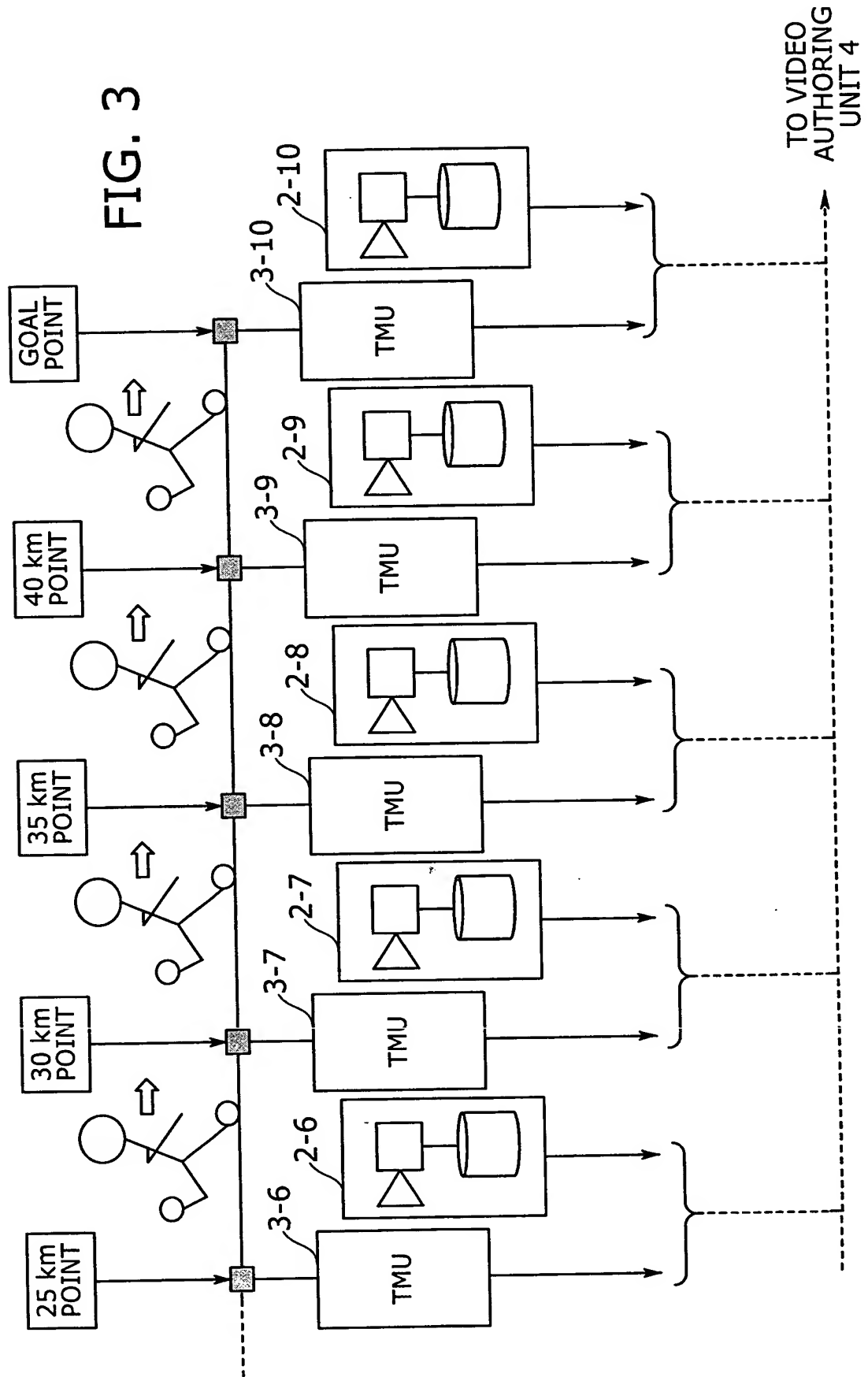


FIG. 3



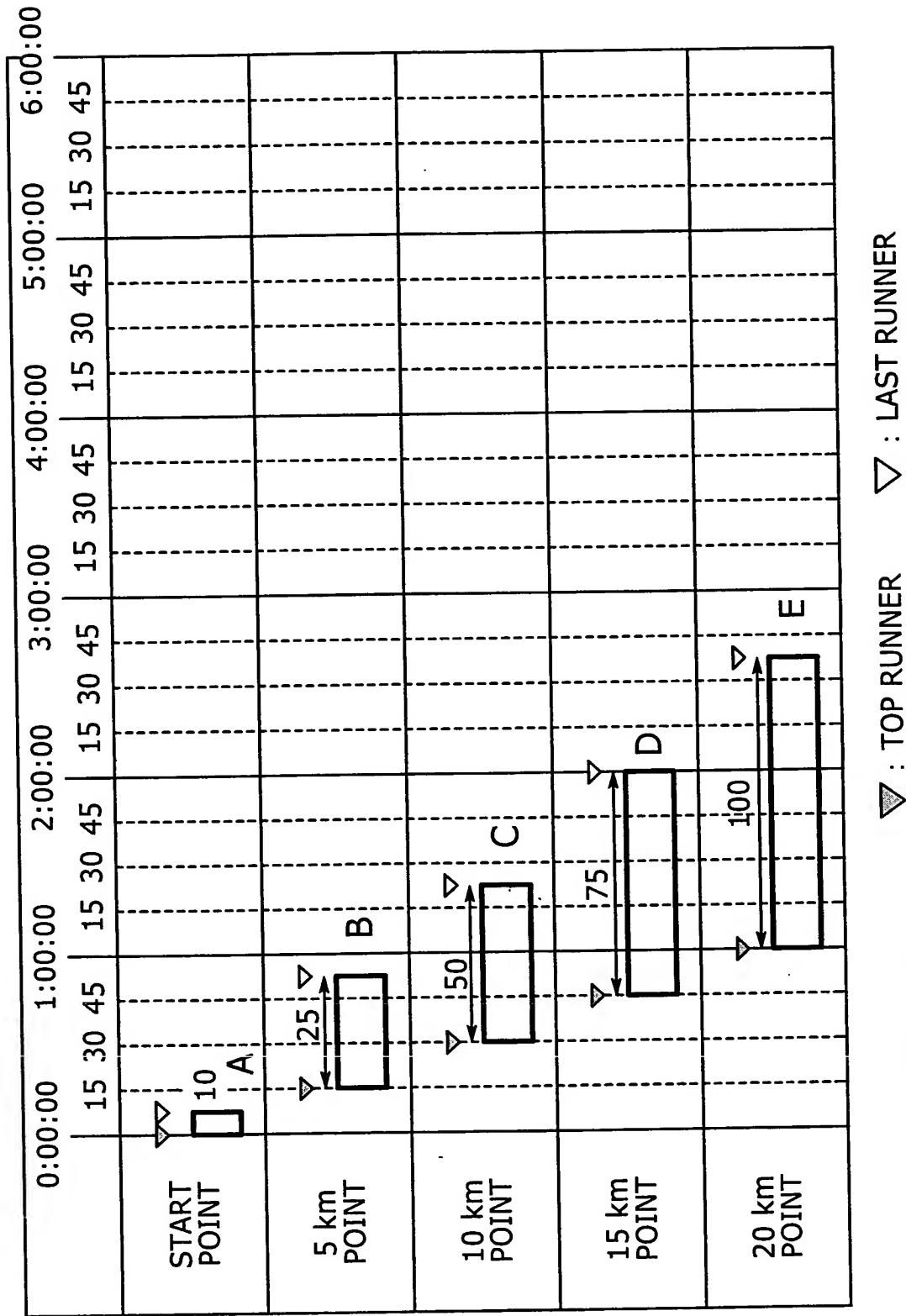
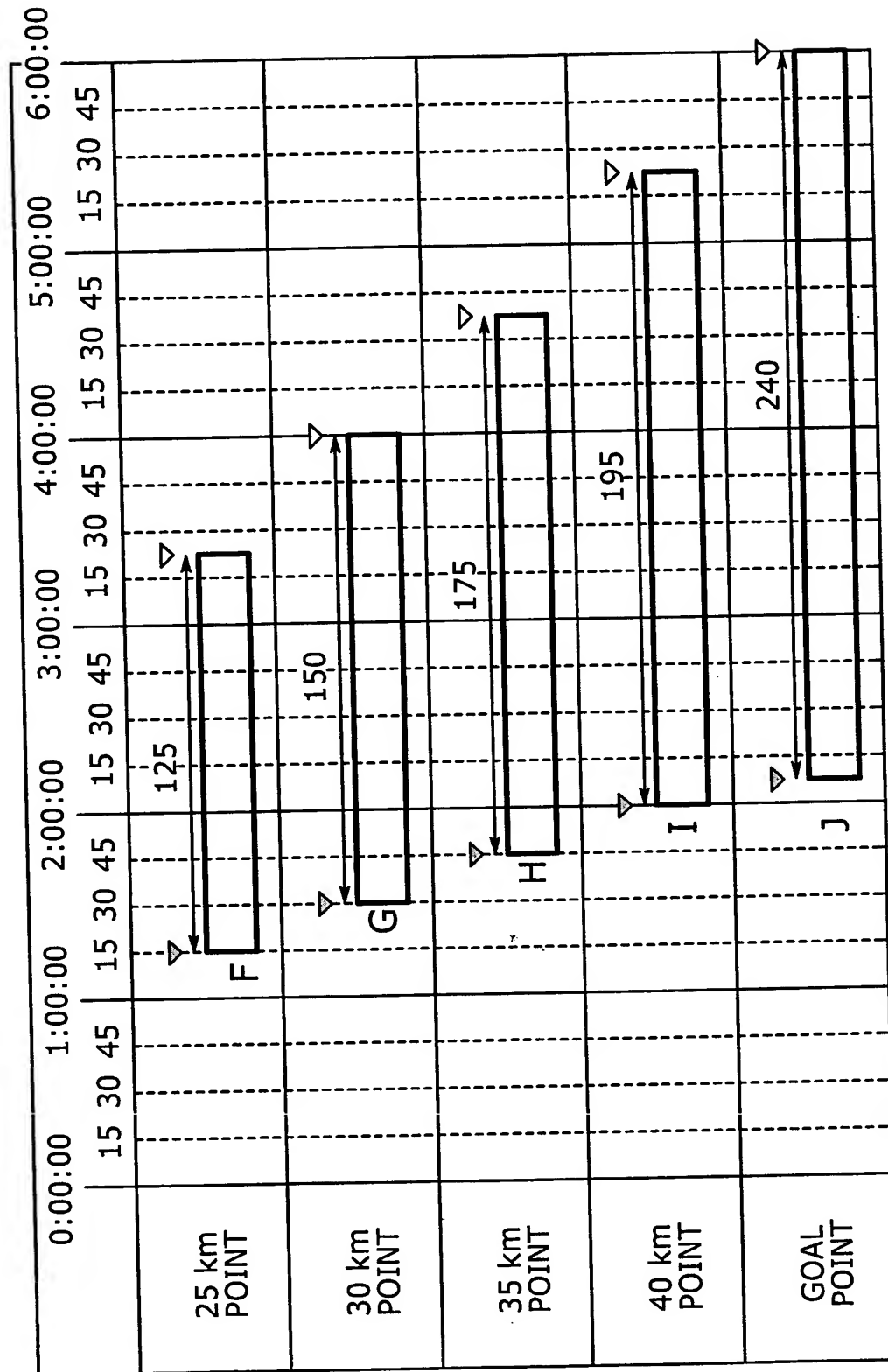


FIG. 4



▽ : TOP RUNNER

▽ : LAST RUNNER

FIG. 5

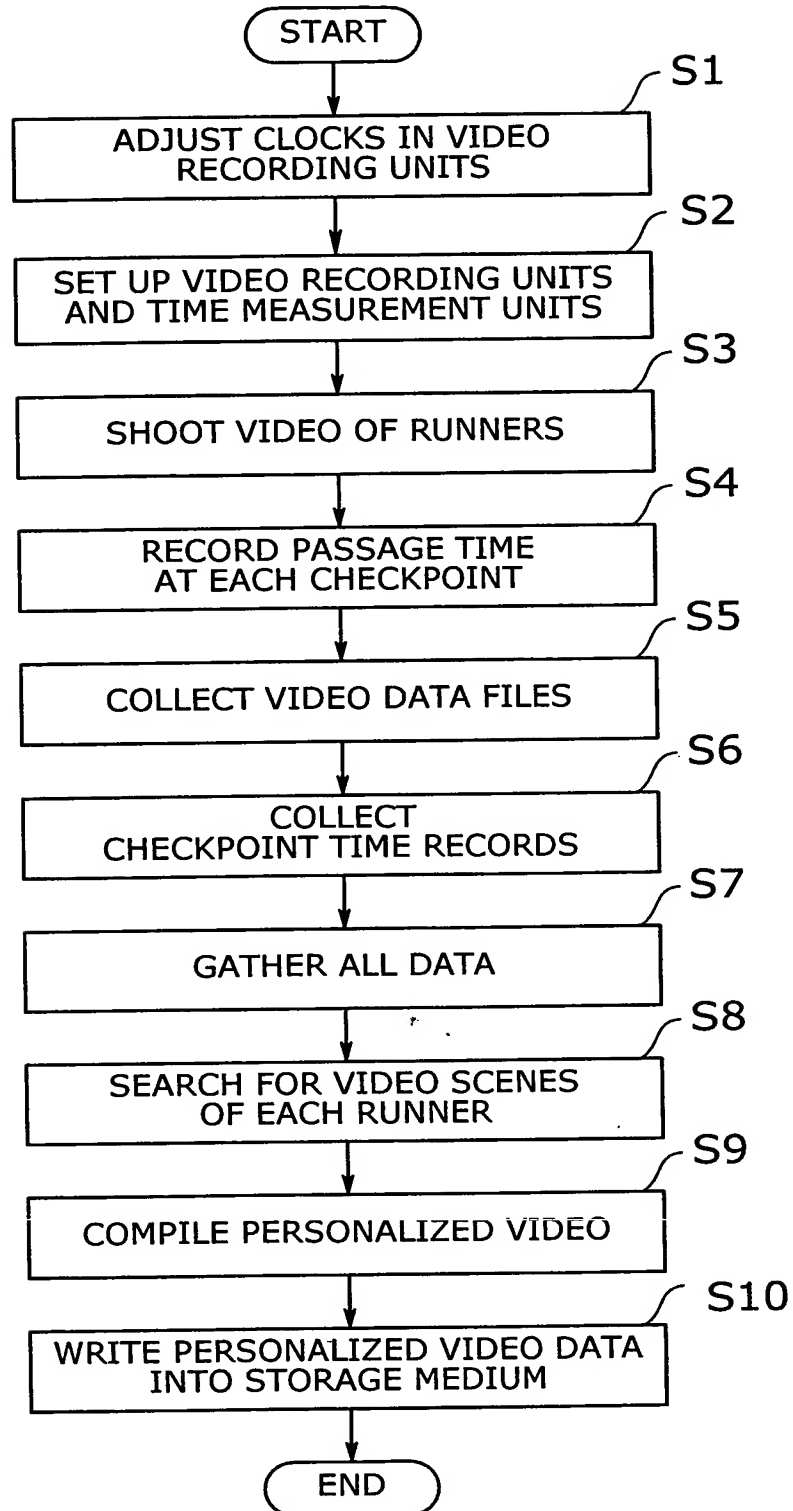


FIG. 6

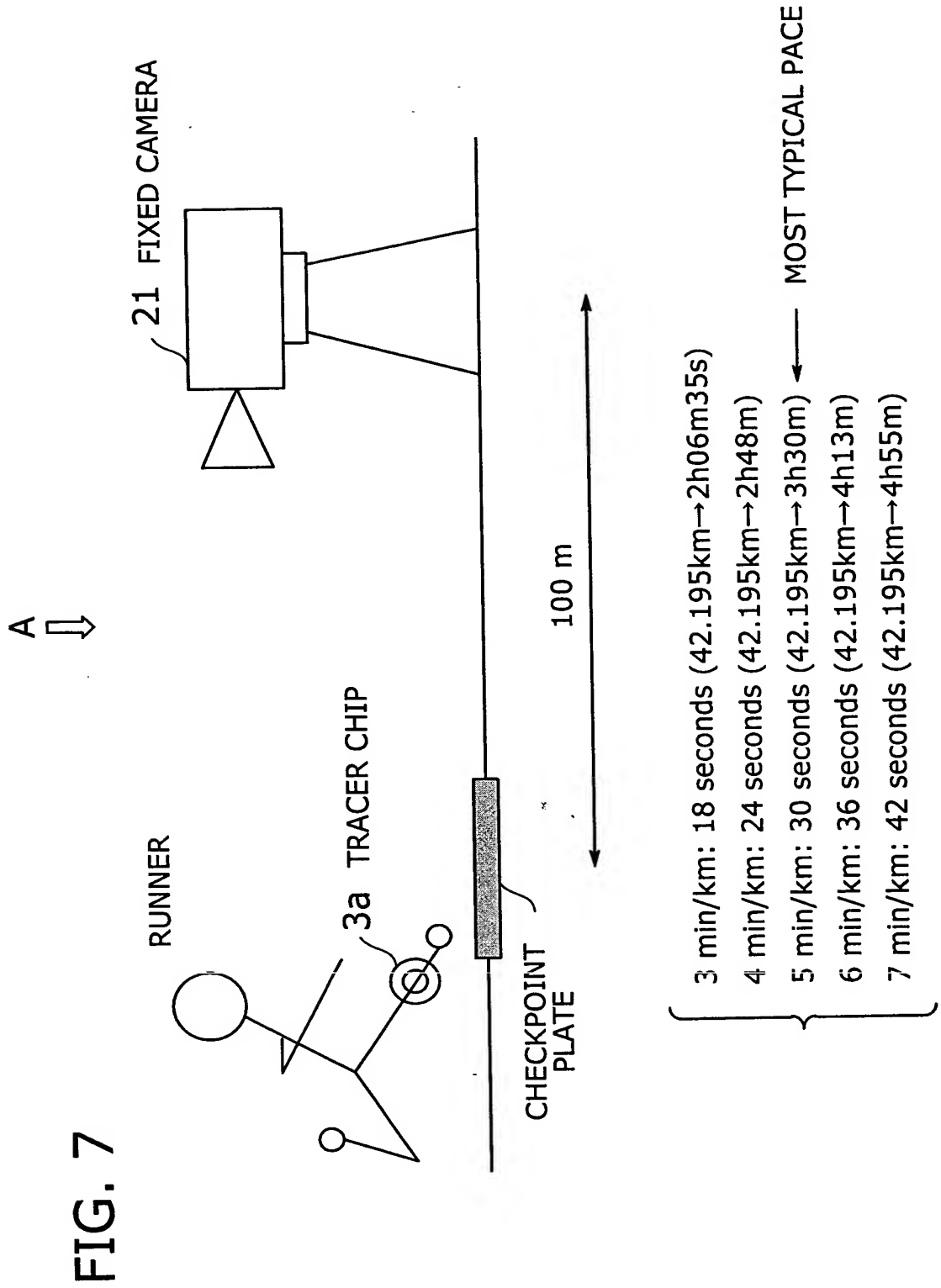
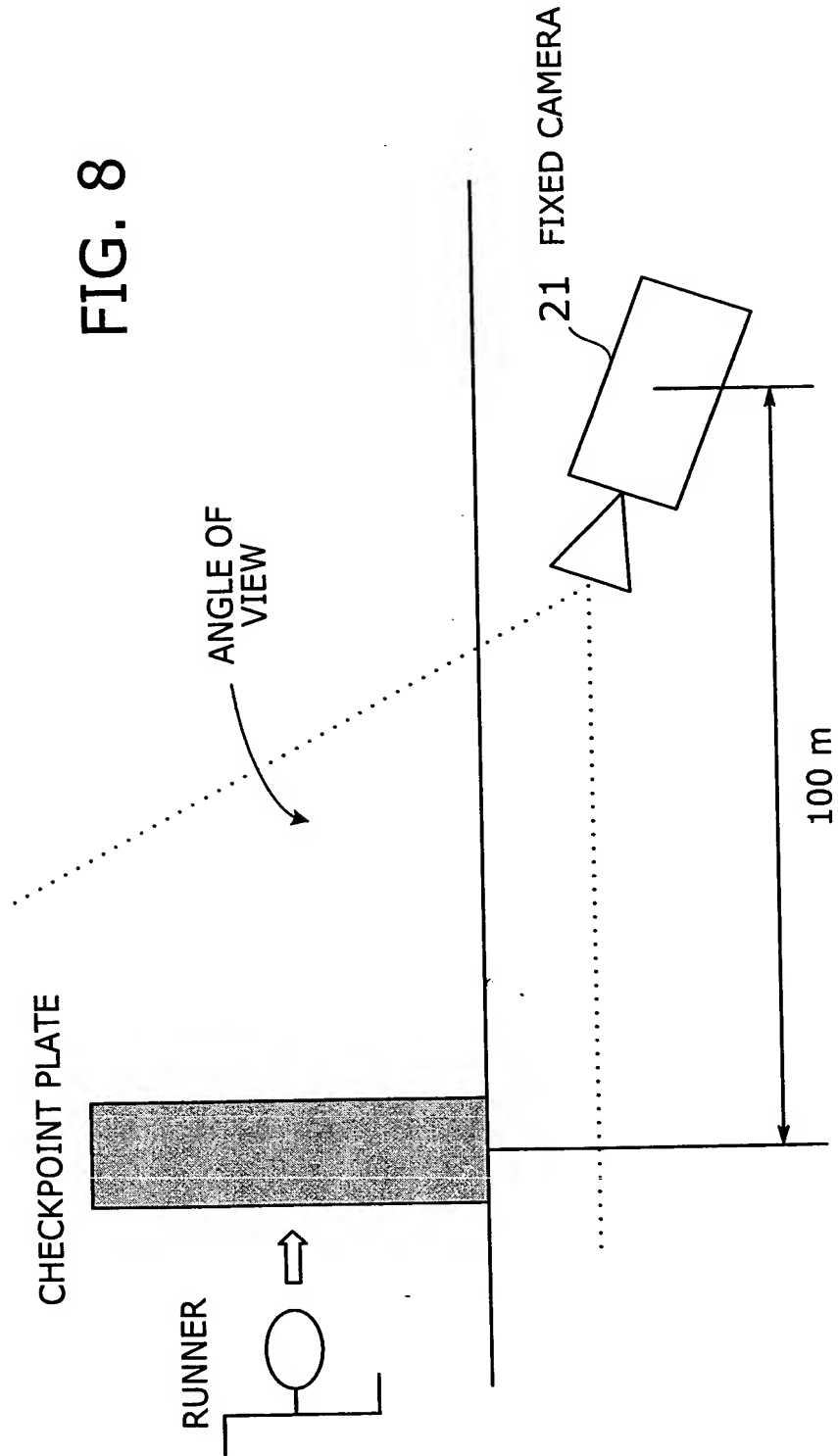


FIG. 8



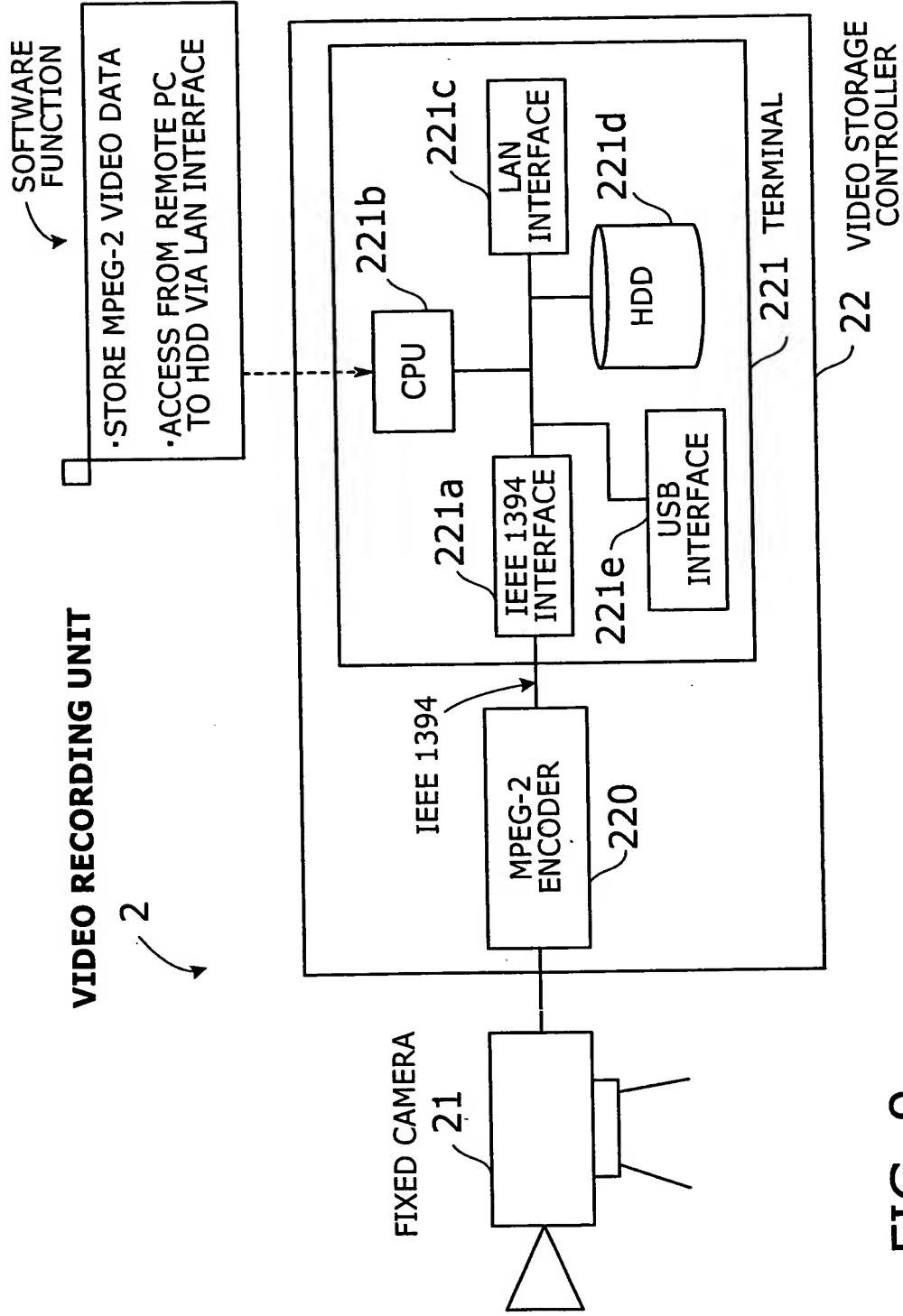
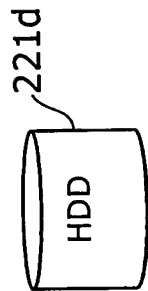


FIG. 9



| | | | | | | | | |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|
| CHECKPOINT | 5 km | 10 km | 15 km | 20 km | 25 km | 30 km | 35 km | 40 km |
| VIDEO LENGTH | 0.5 h | 1.0 h | 1.5 h | 2.0 h | 2.5 h | 3.0 h | 3.5 h | 4.0 h |
| DATA SIZE | 0.7 GB | 1.4 GB | 2.1 GB | 2.8 GB | 3.5 GB | 4.2 GB | 4.9 GB | 5.6 GB |

FIG. 10

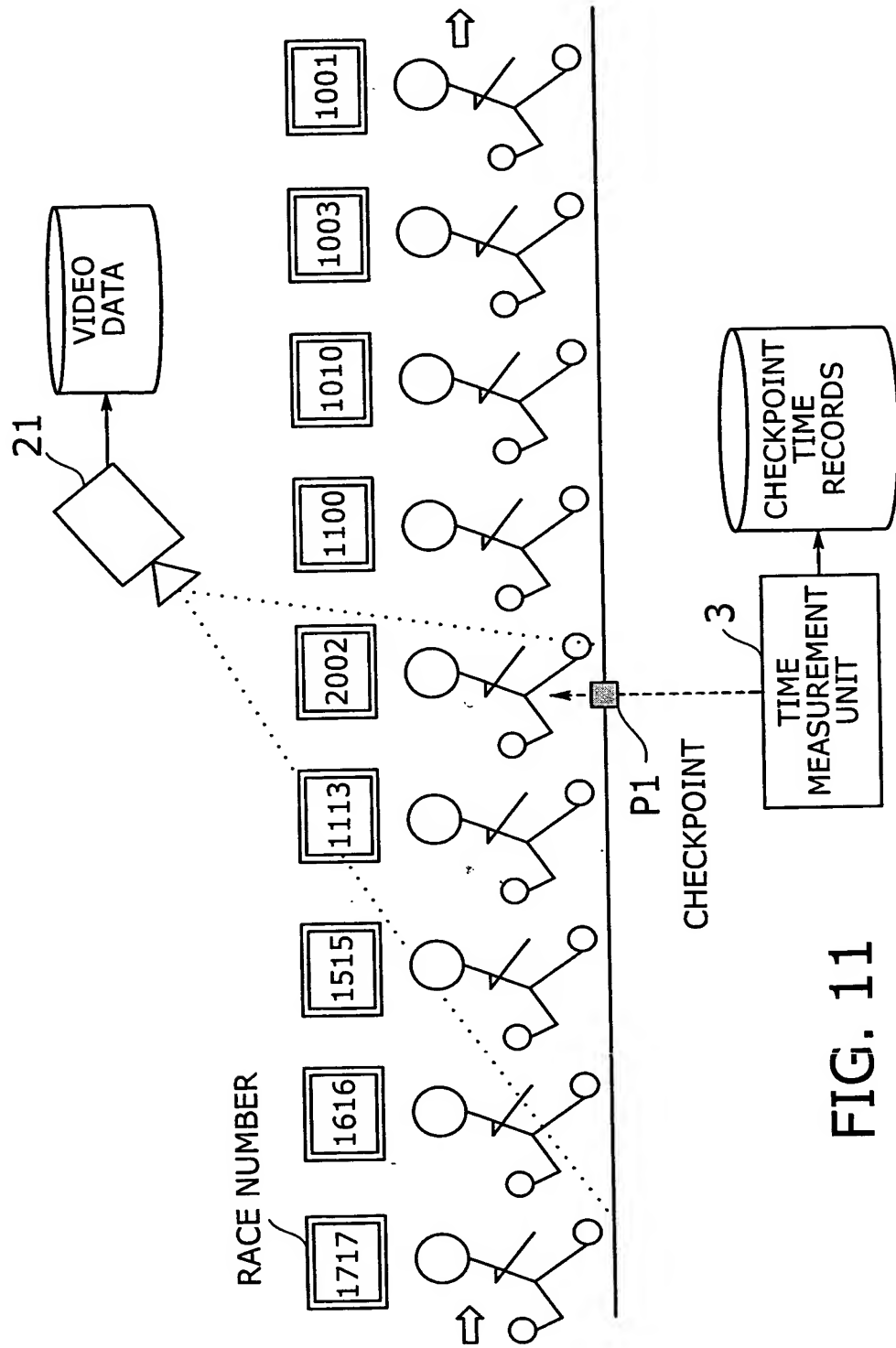


FIG. 11

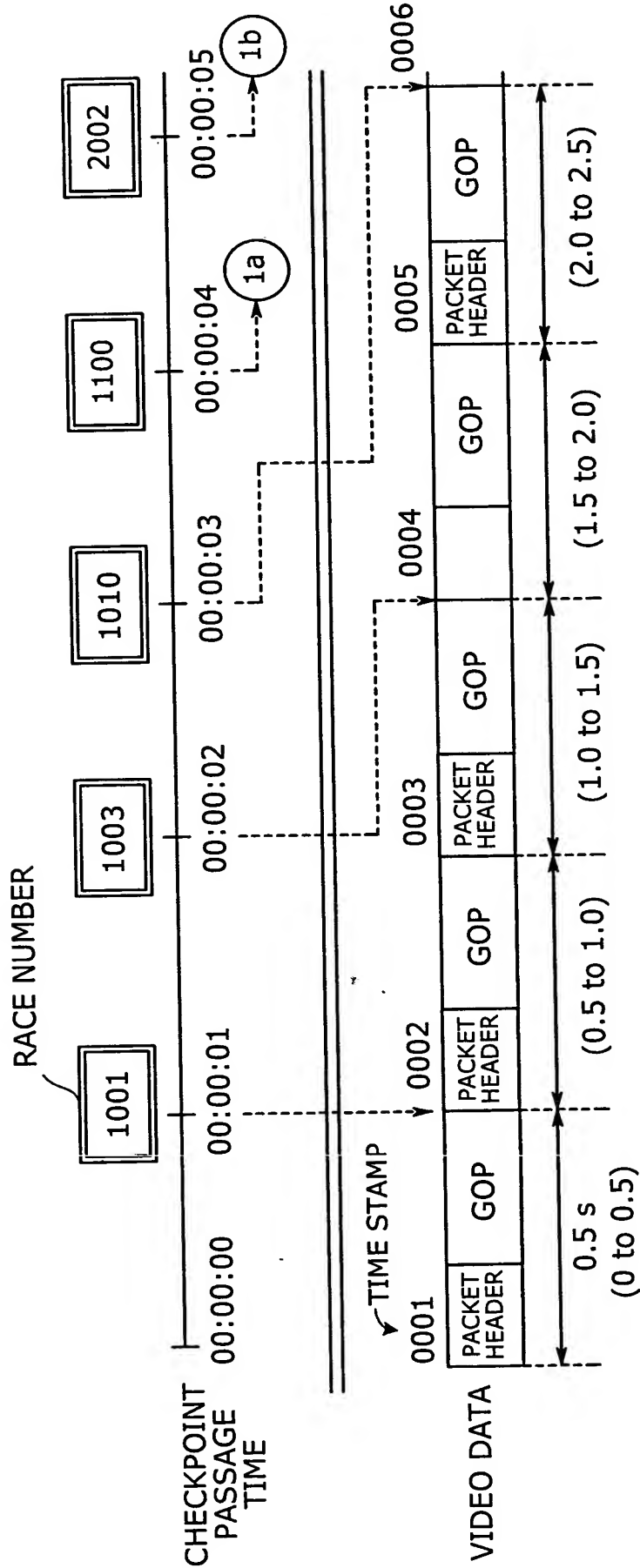


FIG. 12

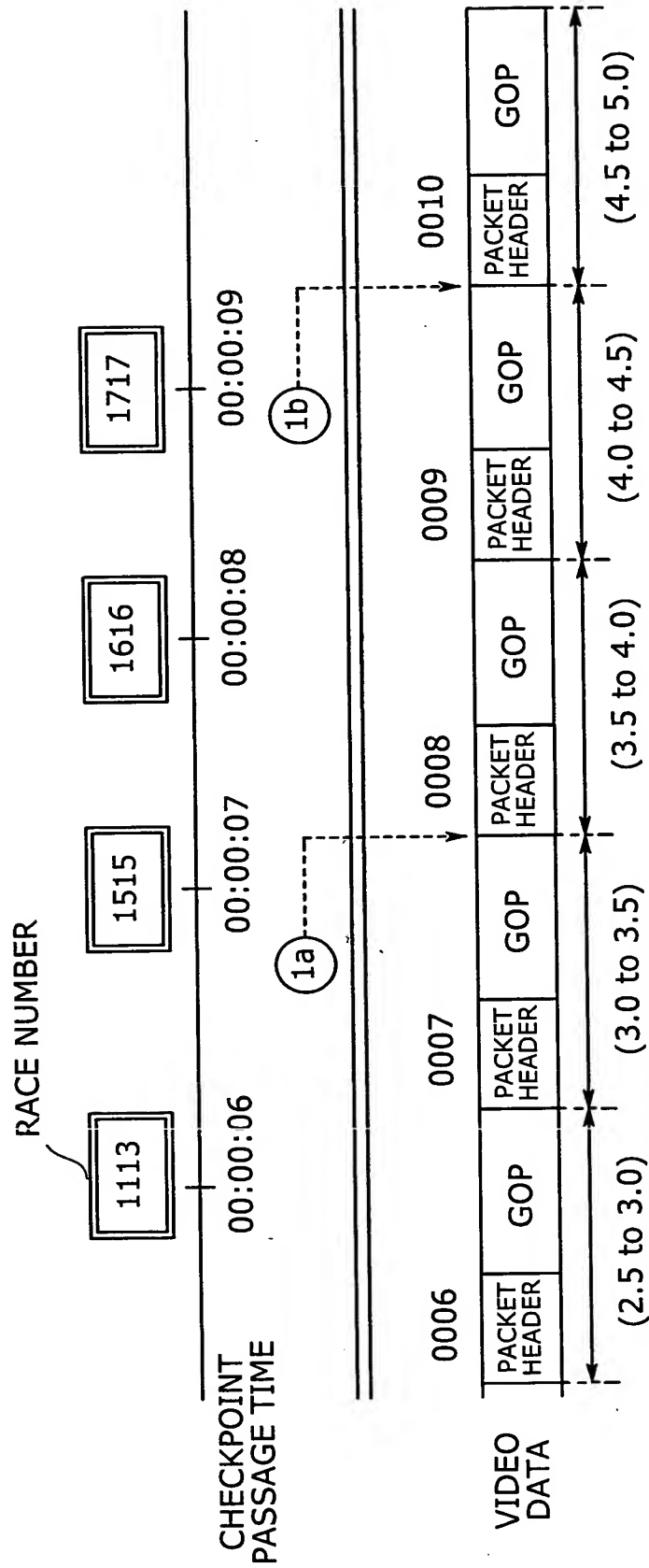


FIG. 13

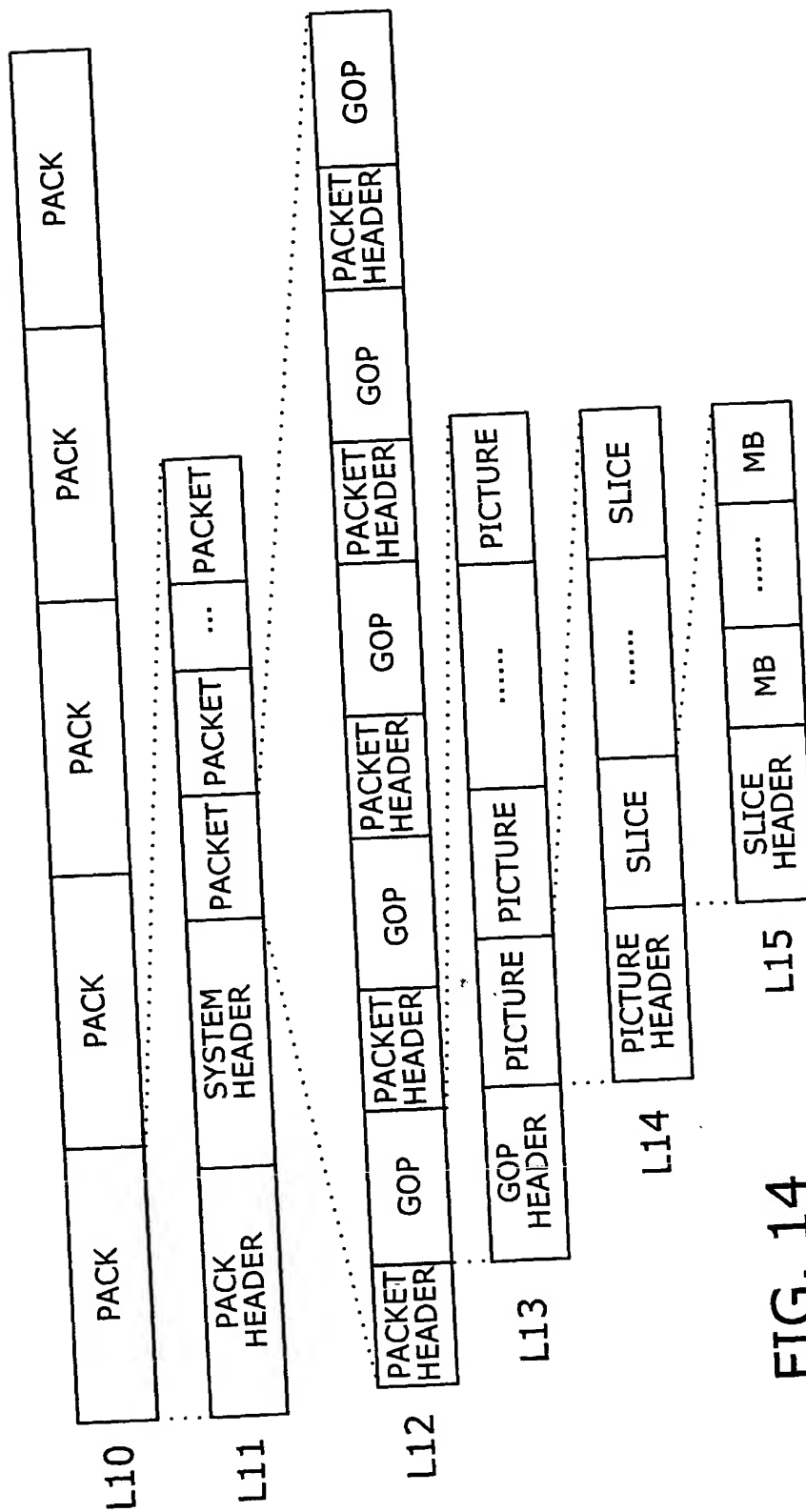


FIG. 14

T1 RACE NUMBER/CHIP ID
MAPPING TABLE

| RACE NUMBER | CHIP ID |
|----------------|---------|
| 001 | AAA |
| 002 | BBB |
| 003 | CCC |
| 004 | DDD |
| 005 | EEE |
| 006 | FFF |
| 007 | GGG |
| 008 | HHH |
| ⋮ | ⋮ |
| 111 | ZZZ |

FIG. 15

T2-1 CHECKPOINT TIME
 RECORD TABLE

START POINT RECORD

| CHIP ID | km | CHECKPOINT PASSAGE TIME |
|---------|----|----------------------------|
| AAA | S | 00:00:00 |
| BBB | S | |
| CCC | S | |
| DD D | S | |
| EEE | S | |
| FFF | S | |
| GGG | S | 00:03:00 |
| HHH | S | |
| ⋮ | ⋮ | ⋮ |
| ZZZ | S | |

FIG. 16

T2-2 CHECKPOINT TIME
RECORD TABLE

5-km POINT RECORD

| CHIP ID | km | CHECKPOINT PASSAGE TIME |
|---------|----|----------------------------|
| AAA | S | 00:00:00 |
| BBB | S | |
| CCC | S | |
| DD D | S | |
| EEE | S | |
| FFF | S | |
| GGG | S | 00:28:00 |
| HHH | S | |
| ⋮ | ⋮ | ⋮ |
| ZZZ | S | |

FIG. 17

T2-3 CHECKPOINT TIME
RECORD TABLE

10-km POINT RECORD

| CHIP ID | km | CHECKPOINT PASSAGE TIME |
|---------|----|----------------------------|
| AAA | S | 00:00:00 |
| BBB | S | |
| CCC | S | |
| DD D | S | |
| EEE | S | |
| FFF | S | |
| GGG | S | 00:53:00 |
| HHH | S | |
| ⋮ | ⋮ | ⋮ |
| ZZZ | S | |

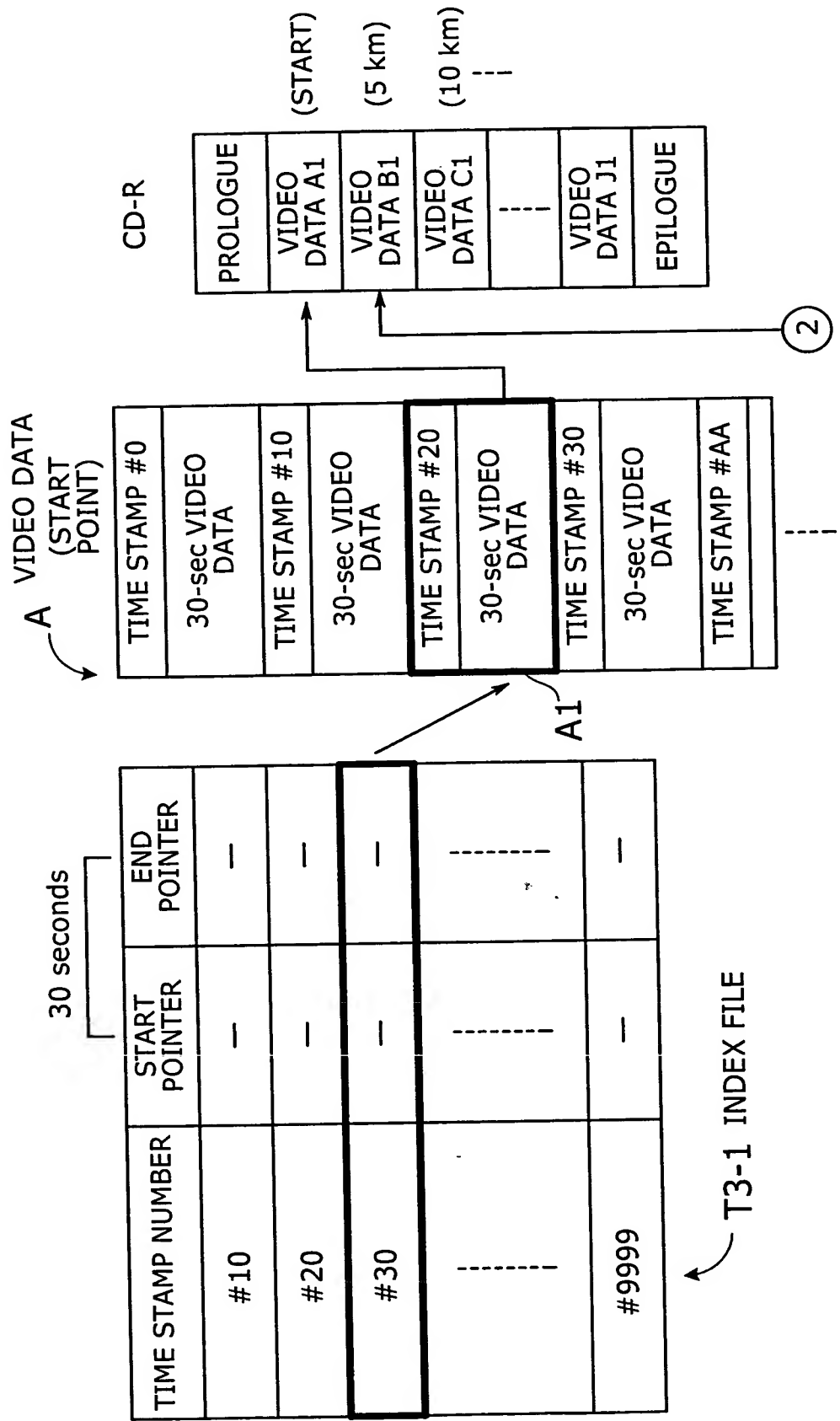
FIG. 18

T2-10 CHECKPOINT TIME
RECORD TABLE

GOAL POINT RECORD

| CHIP ID | km | CHECKPOINT PASSAGE TIME |
|---------|----|----------------------------|
| AAA | S | 00:00:00 |
| BBB | S | |
| CCC | S | |
| DD D | S | |
| EEE | S | |
| FFF | S | |
| GGG | S | 04:24:10 |
| HHH | S | |
| ⋮ | ⋮ | ⋮ |
| ZZZ | S | |

FIG. 19



FROM FIG. 21

FIG. 20

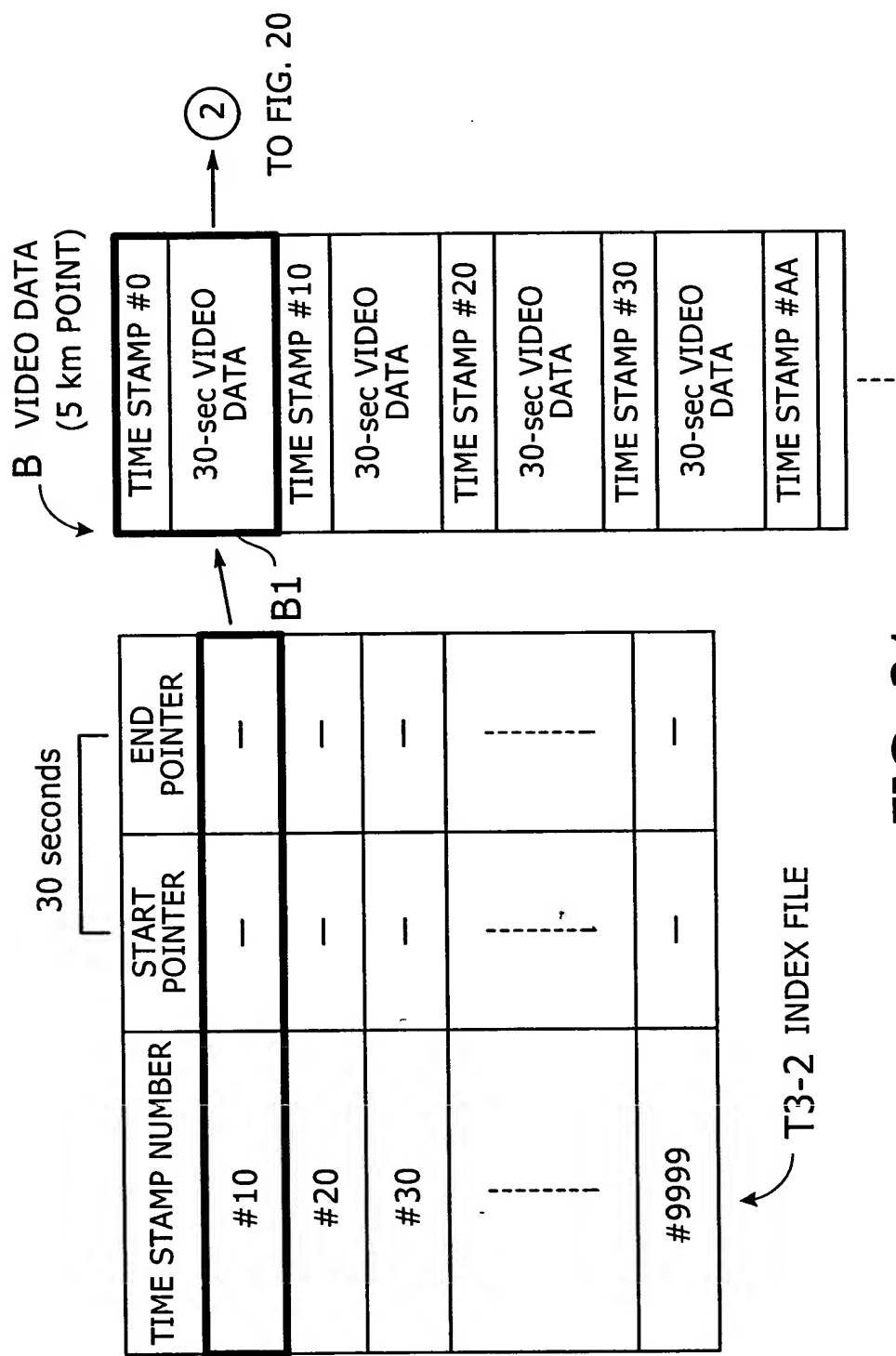
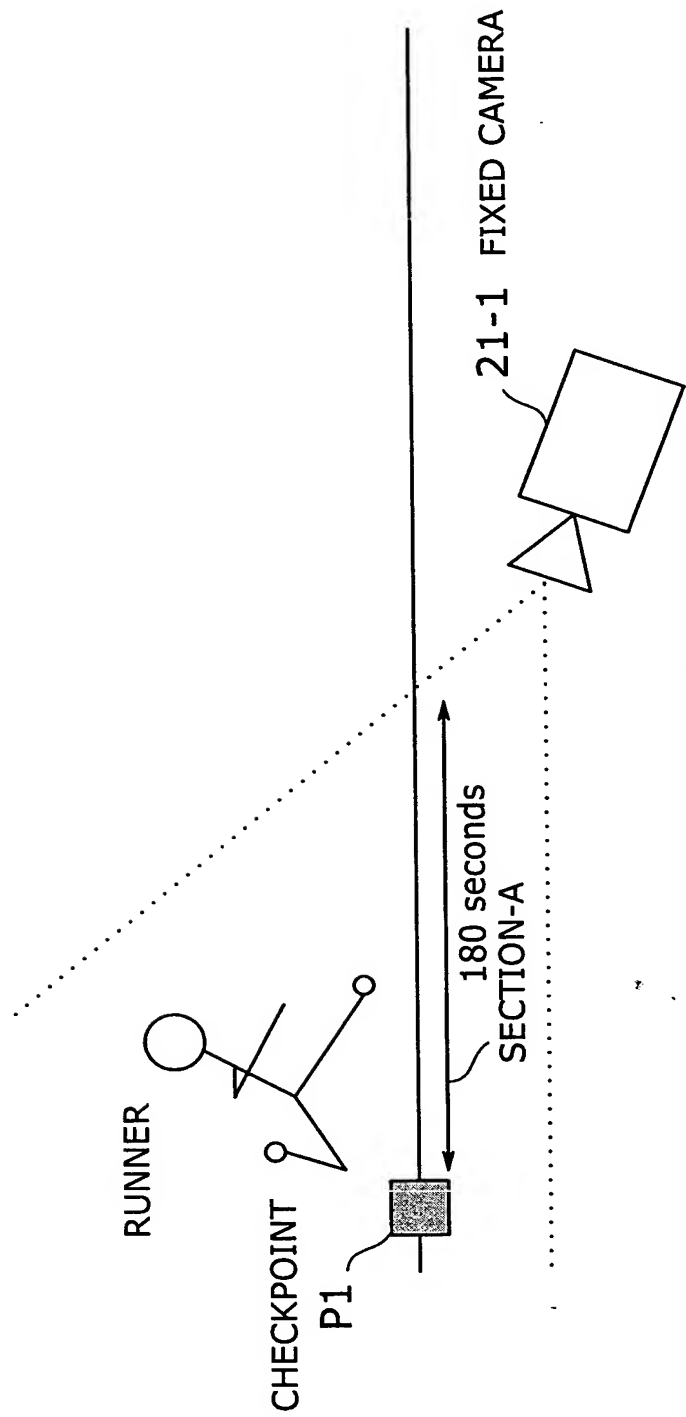


FIG. 21

T4

| SHOOTING SECTION NUMBER | TIME OFFSET (hh:mm:ss) |
|----------------------------|---------------------------|
| A | 00:00:00 |
| B | 00:15:00 |
| C | 00:30:00 |
| ⋮ | ⋮ |
| J | 02:06:00 |

FIG. 22



PARAMETERS FOR VIDEO FILE F1

| VIDEO FILE NUMBER | SHOOTING SECTION NUMBER | CHECKPOINT NUMBER | RECORD START TIME (sec) | RECORD LENGTH (sec) |
|-------------------|-------------------------|-------------------|-------------------------|---------------------|
| F1 | A | P1 | 0 | 180 |

FIG. 23

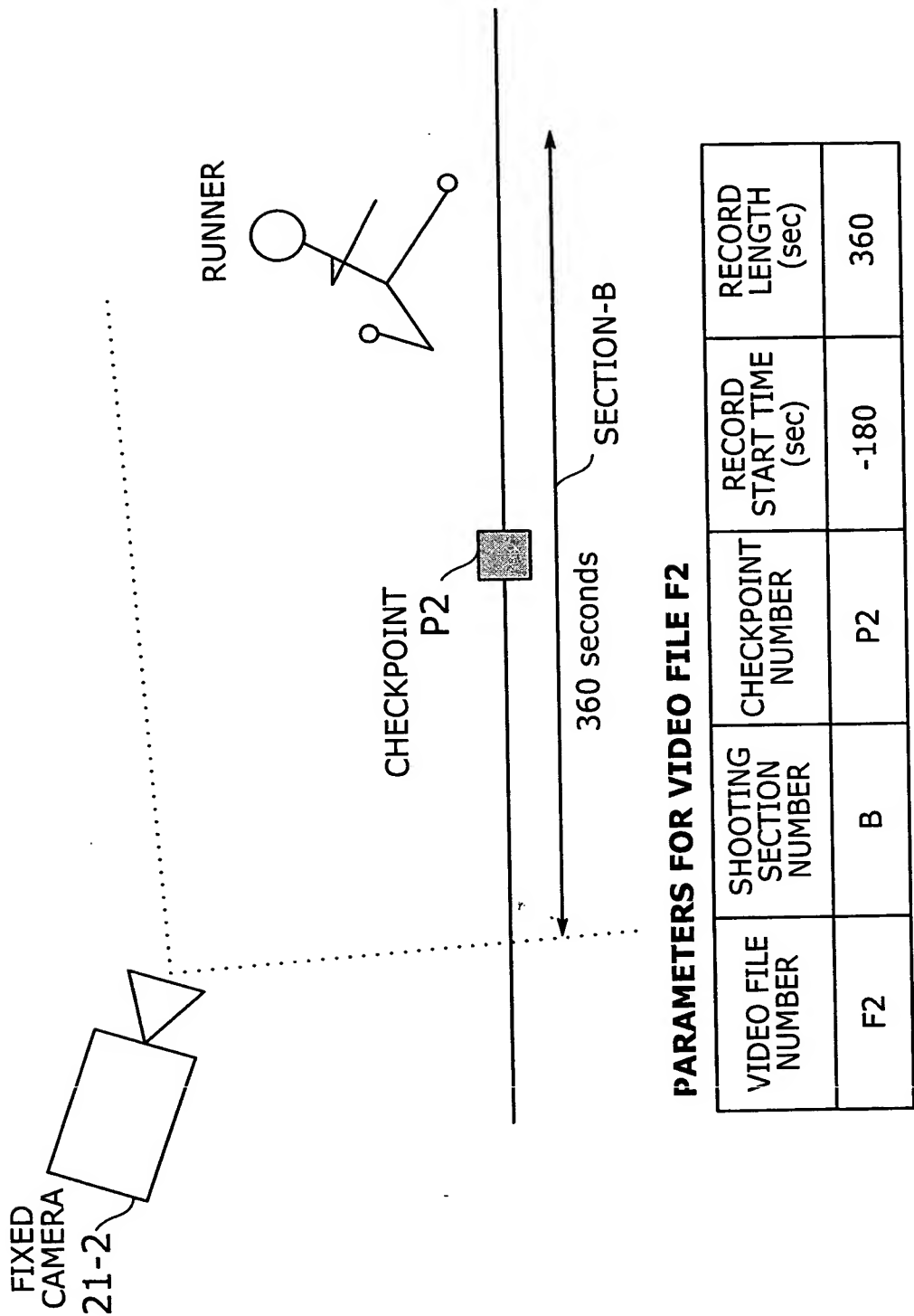
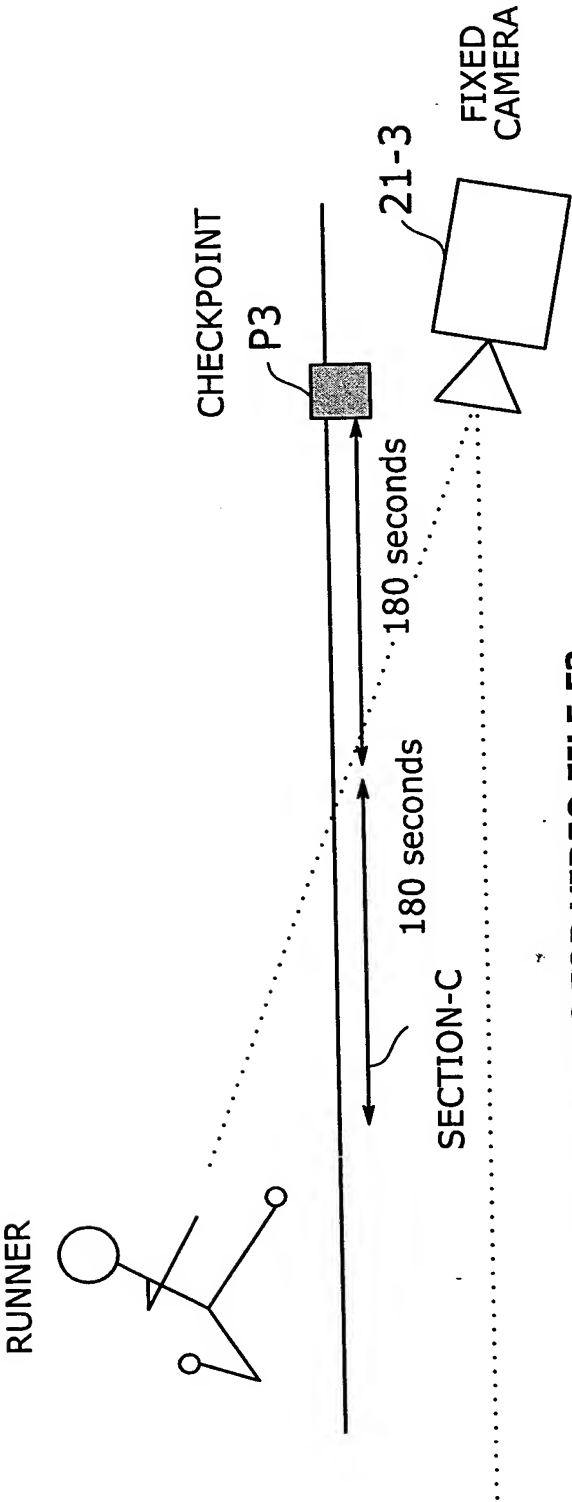


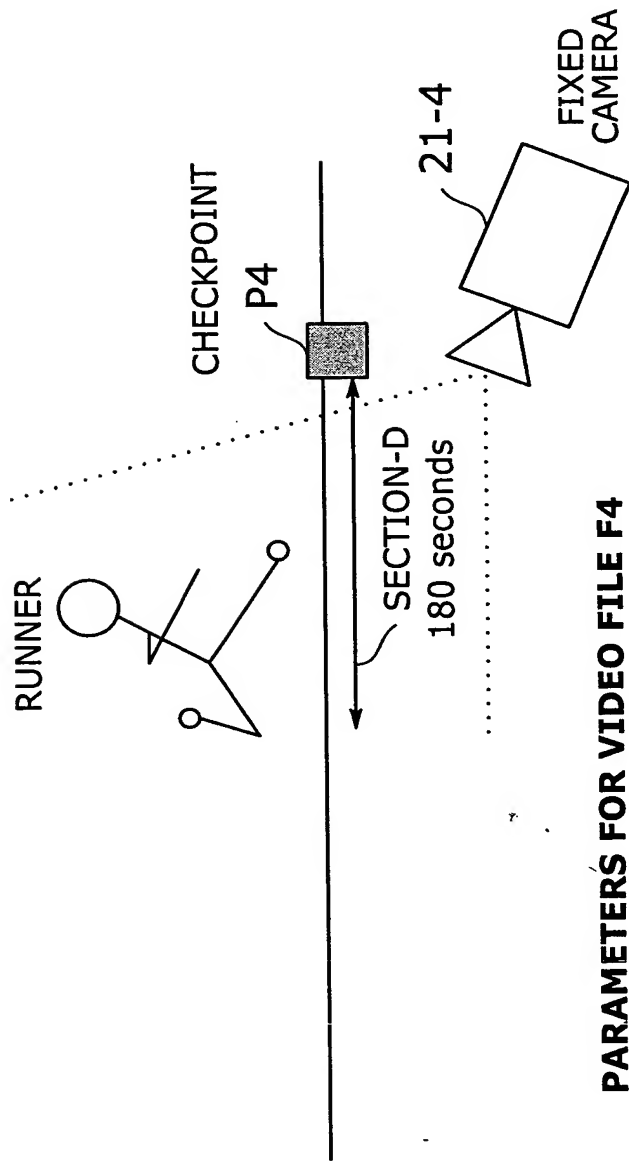
FIG. 24



PARAMETERS FOR VIDEO FILE F3

| VIDEO FILE NUMBER | SHOOTING SECTION NUMBER | CHECKPOINT NUMBER | RECORD START TIME (sec) | RECORD LENGTH (sec) |
|-------------------|-------------------------|-------------------|-------------------------|---------------------|
| F3 | C | P3 | -360 | 180 |

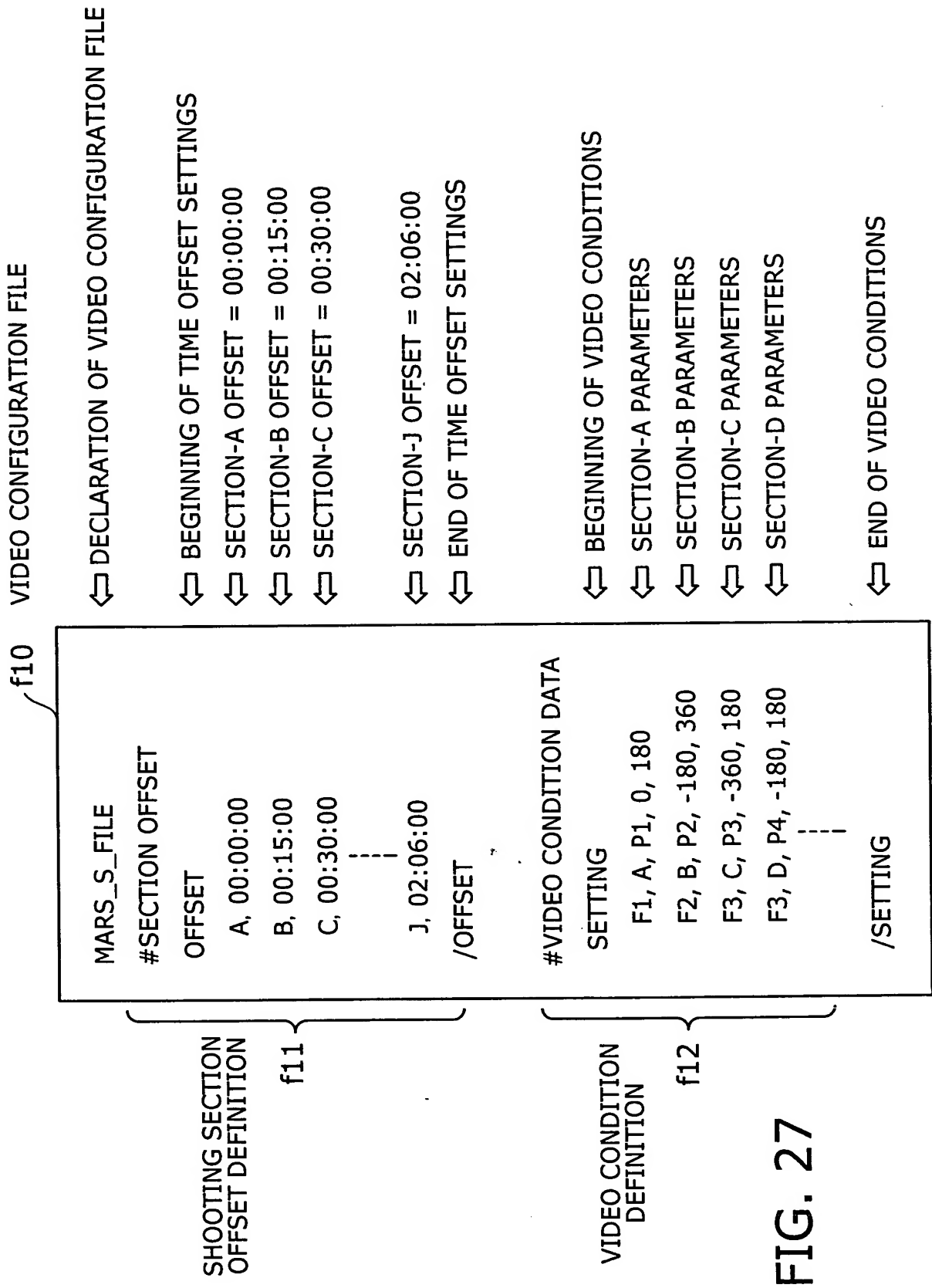
FIG. 25



PARAMETERS FOR VIDEO FILE F4

| VIDEO FILE NUMBER | SHOOTING SECTION NUMBER | CHECKPOINT NUMBER | RECORD START TIME (sec) | RECORD LENGTH (sec) |
|-------------------|-------------------------|-------------------|-------------------------|---------------------|
| F4 | D | P4 | -180 | 180 |

FIG. 26



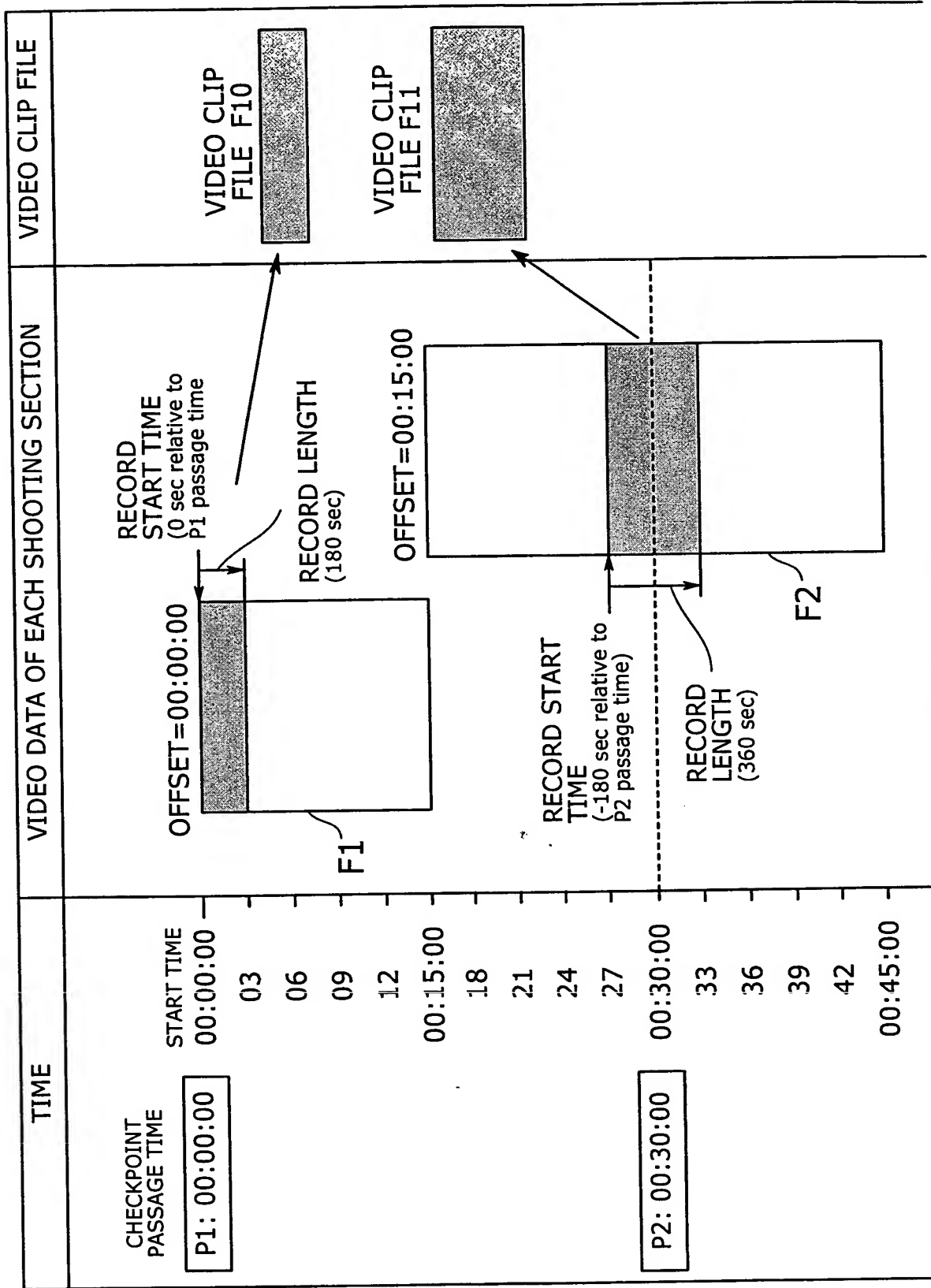


FIG. 28

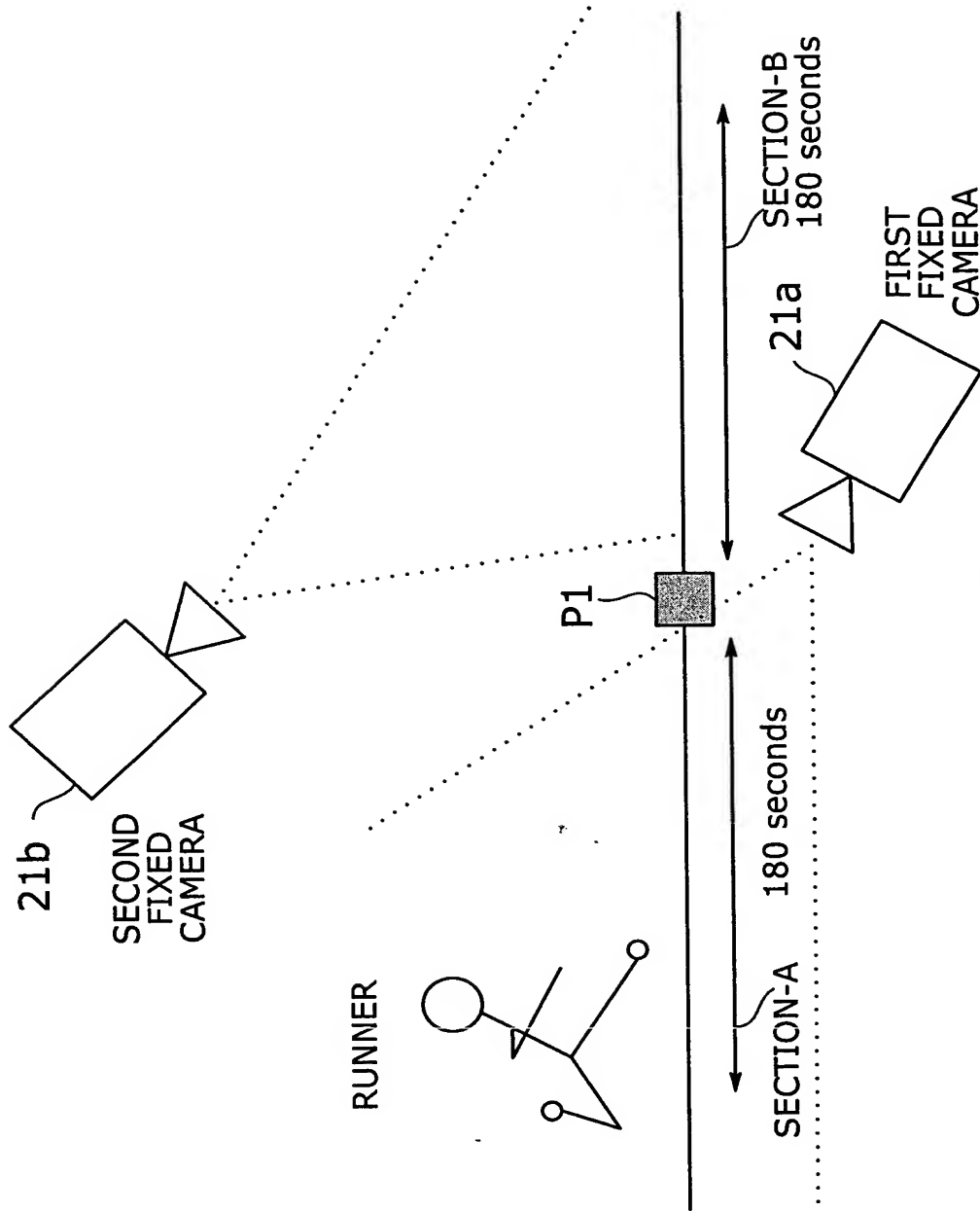


FIG. 29

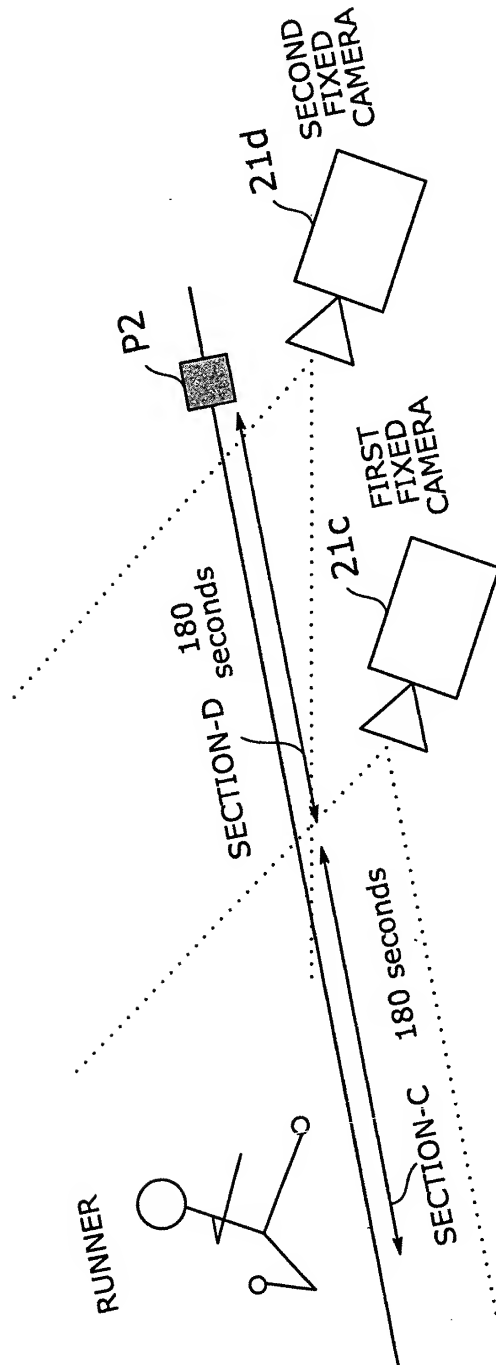


FIG. 30

f10a VIDEO CONDITION DATA

| VIDEO FILE NUMBER | SHOOTING SECTION NUMBER | CHECKPOINT NUMBER | RECORD START TIME (sec) | RECORD LENGTH (sec) |
|----------------------|-------------------------------|----------------------|-------------------------------|---------------------------|
| F1 | A | P1 | -180 | 180 |
| F2 | B | P1 | 0 | 180 |
| F3 | C | P2 | -360 | 180 |
| F4 | D | P2 | -180 | 180 |

FIG. 31

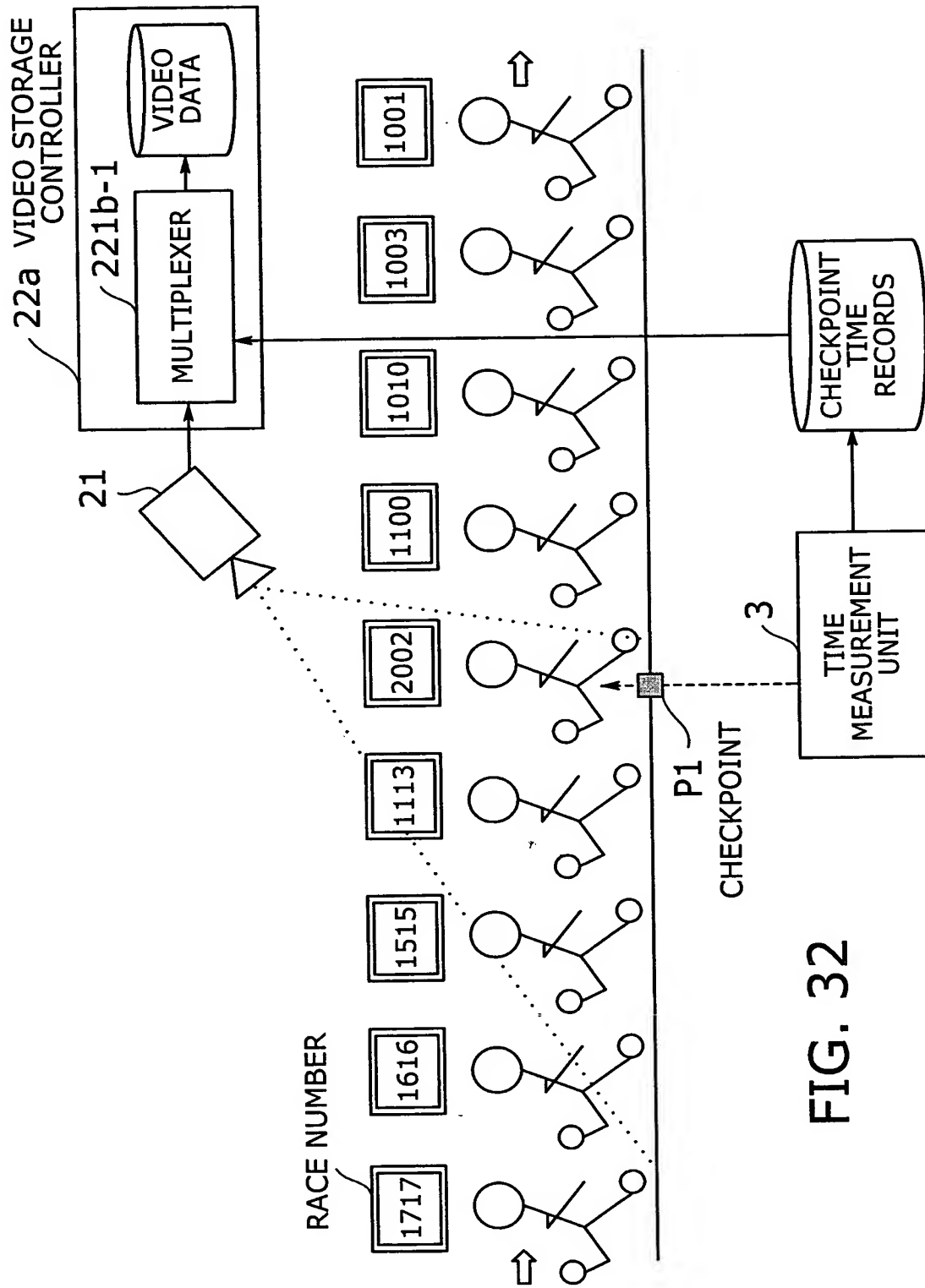


FIG. 32

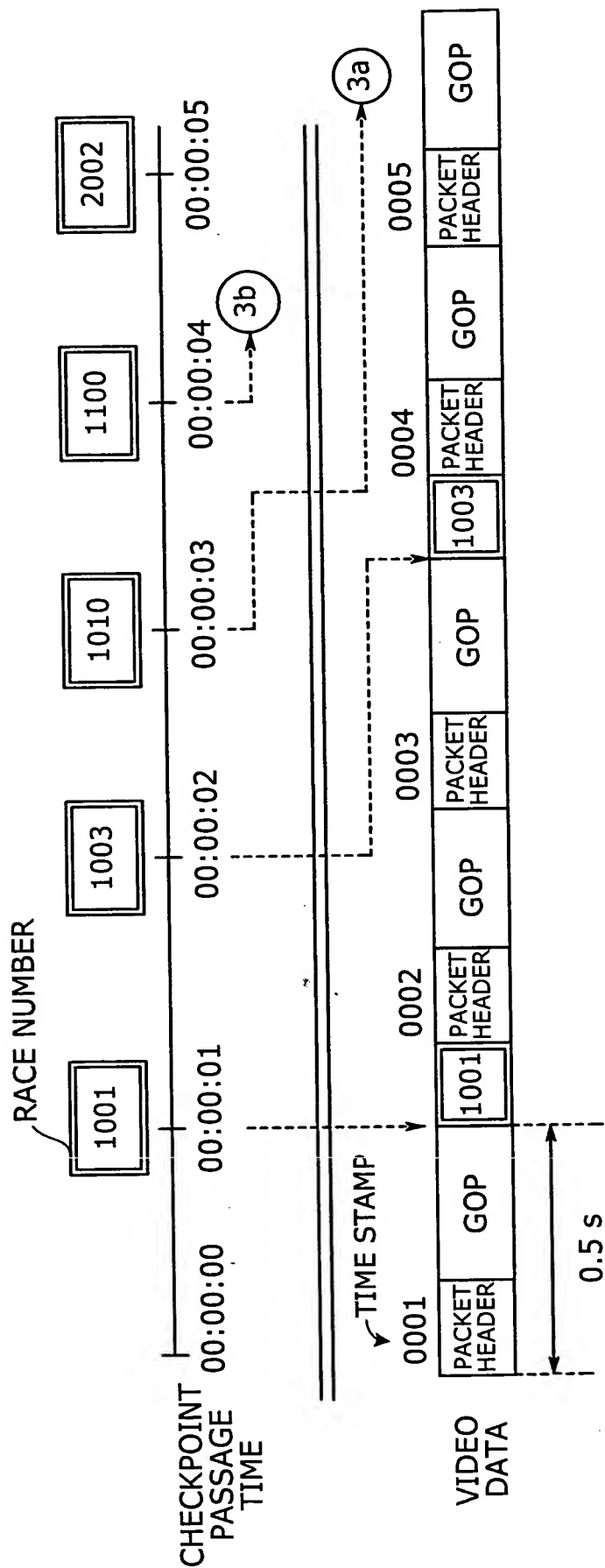


FIG. 33

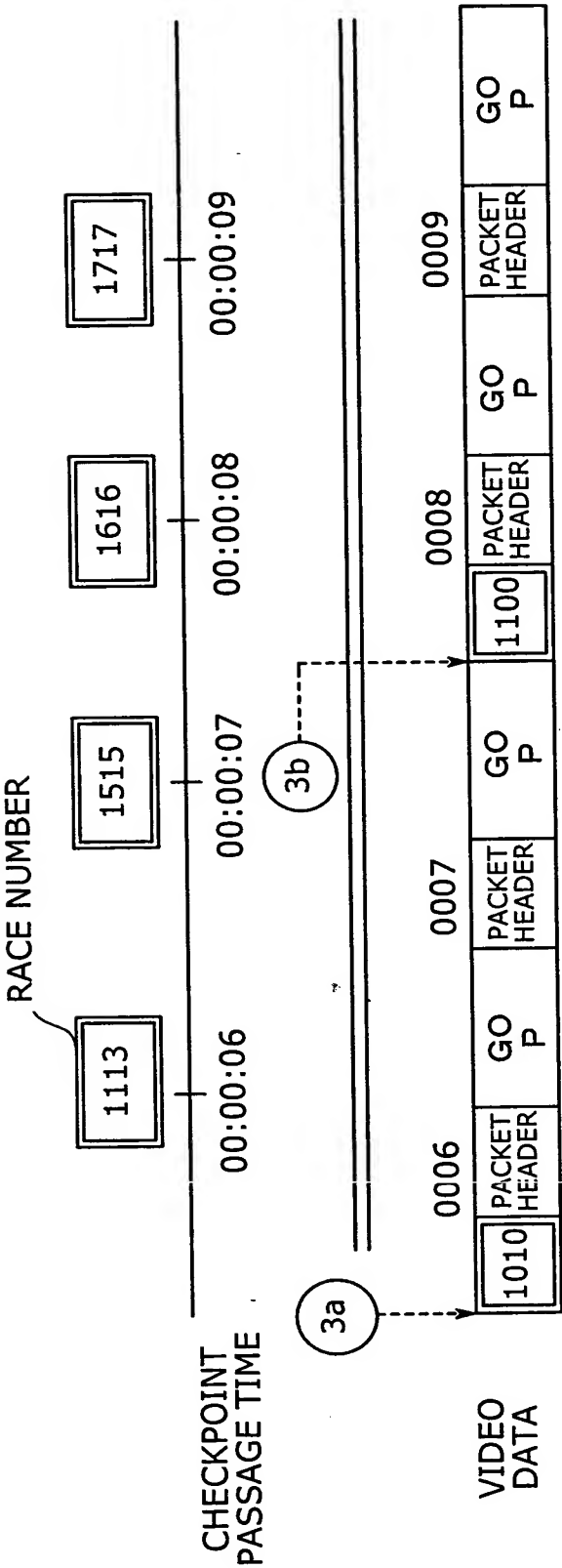


FIG. 34

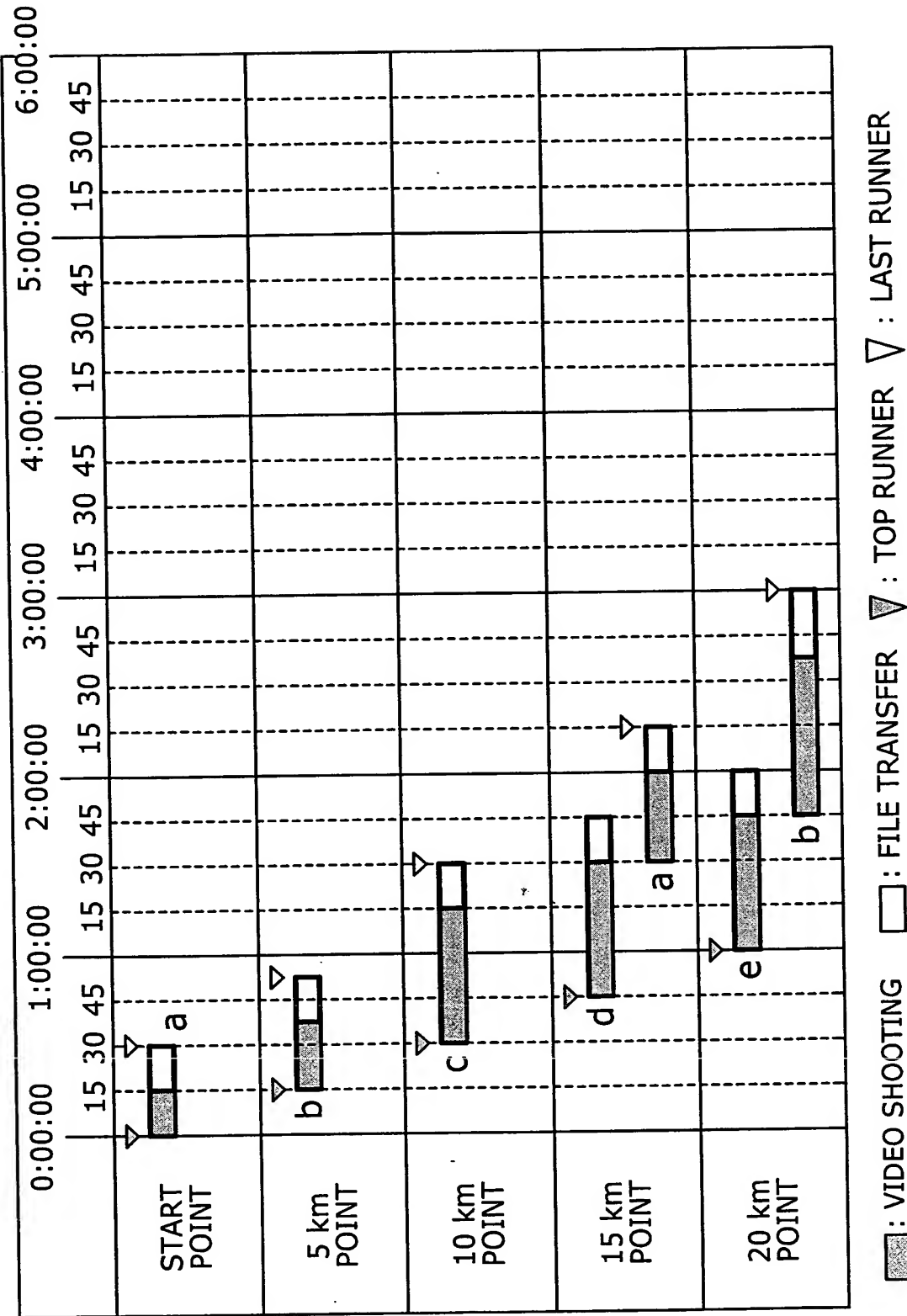


FIG. 35

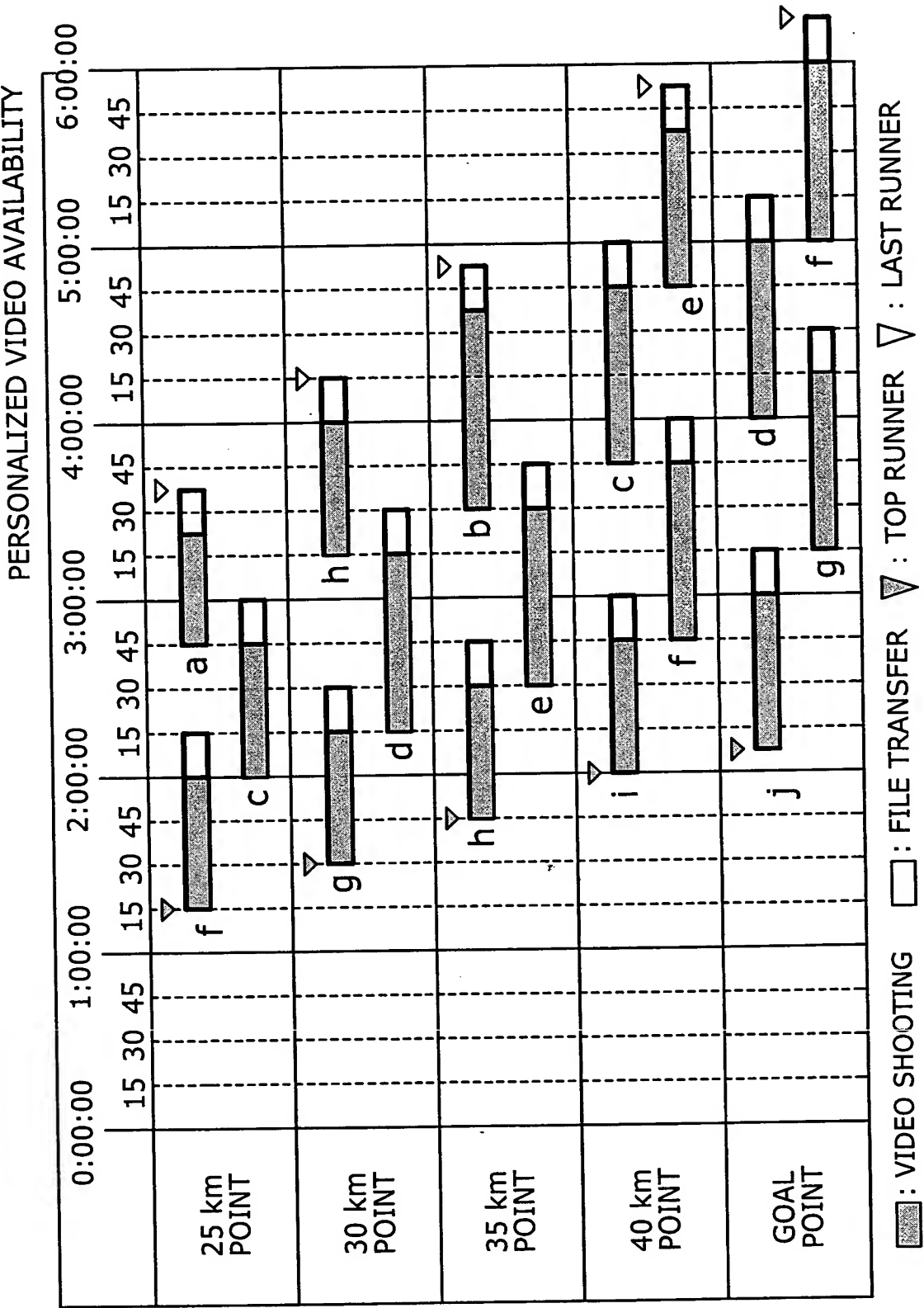


FIG. 36